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1919 FISH NOTES FROM ORIENT,
LONG ISLAND

The following records have been sifted from the data collected in 1919 and contain several new early and late dates for the locality.

Mustelus canis. One adult, May 17.

Sphyrna zygaena. One, November 25, 28 inches in total length.

Squalus acanthias. Young very abundant in mid-summer. On July 21, the catch was three farm wagon loads. All that were measured were 20 inches in total length.

Raja eglanteria. Two half-grown on May 12. And the last, one adult, on Oct. 18.

Elops saurus. The largest number of examples seen in recent years was obtained. Twenty-eight specimens from October 6 to November 4. These were from 13 to 15 inches in total length.

Clupea harengus. A few adults 12 inches in length were taken on July 16.

Anchoviella brownii. One November 14, six inches in total length.

Hyporhamphus roberti. One June 14, ten inches in total length. This is the earliest record of its capture here.

Sphyræna borealis. This species was very common during October. On the 17th, five hundred were taken from one trap, in size 8 to 11 inches. The last was taken on November 12.

Mullus auratus. One 4 inches in length on August 20. Earliest record.

Cynoscion regalis. One adult, May 7.

Bairdiella chrysura. One May 23, six inches in length.

Leiostomus xanthurus. One June 16, earliest Orient record.

Menticirrhus saxatilis. One adult, May 9.

Peprilus paru. Two new late records are: One October 11 and one October 20. Both 8 inches in total length.

Poronotus triacanthus. Two adults, May 5.

Trachurus trachurus. Three individuals were taken. One August 28, $4\frac{1}{4}$ inches in total length; one September 19, 5 inches in total length, and one November 1, $6\frac{1}{2}$ inches in total length. All from the Sound.

Trachurops crumenophthalmus. One August 14, $5\frac{1}{4}$ inches in length is the earliest date.

Caranx crysos. One July 26, five inches in length, is also earliest date.

Sarda sarda. One June 15; weight of 4 lbs. The earliest Orient date.

Balistes carolinensis. One September 1, fourteen inches in total length, and one October 27, seven inches in total length.

Alutera schoepfii. One November 14, eight inches in length, is latest date.

Spheroides maculatus. Three adults May 21.

Cyclopterus lumpus. One taken on April 28 that was 21 inches in length and weighed $15\frac{1}{2}$ lbs. Five others were taken on May 17 that were from 5 to 8 inches in length.

Prionotus carolinus. Eight adults on April 16 is an early date of arrival.

Prionotus evolans strigatus. One 7 inches in length on November 15 was the only record for the season. This is the latest date obtained.

Pollachius virens. Young very common throughout the summer. On several occasions during July and August it was estimated that more than a thousand young averaging 5 inches in length were liberated from a trap. They were feeding on the young of the squid, *Loligo pealii pallida*, which were about one inch long at the time and abundant.

Paralichthys dentatus. One April 26, $28\frac{1}{2}$ inches in length.

ROY LATHAM,
Orient, N. Y.